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TITLE: MOTORCYCLE WITH SUPERCHARGER
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INVENTOR-INFORMATION:

NAME **COUNTRY**
KOBAYASHI, YOZABURO

ASSIGNEE-INFORMATION:

NAME **COUNTRY**
HONDA MOTOR CO LTD N/A

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ABSTRACT:

PURPOSE: To increase the strength of the vehicle body frame by placing place the supercharger of an engine among its cylinder block and a right and a left center pipes which constitute a vehicle body frame, supporting the supercharger with a cross member connecting the center pipes to each other.

CONSTITUTION: A supercharger S is placed among a cylinder block 10 and a right and a left center pipes 4, 4 which constitute a vehicle body frame F. Mounting members 25, 25 protruded from the supercharger S and brackets 8, 8 secured on a cross member 9 which couples the center pipes 4, 4 to each other are locked up on each other by a bolt 26 to support the supercharger S. Since potentially dead space behind the cylinder block 10 is utilized to place the supercharger S, it does not project sideward from the vehicle. The center pipes 4, 4 are also reinforced by the cross member 9 to firmly supply the engine as well as the supercharger S. A turbine impeller 19 and a compressor impeller 18 which is coupled therewith are driven by exhaust gas from cylinders 11. Intake air from an air cleaner A is previously pressurized by a compressor C. After the air is regulated by a retractor valve 24, the air is mixed with fuel injected from a nozzle 23. The mixture is supplied into the cylinders 11.

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4. 図面の簡単な説明

第1図は本発明の過給機付自動二輪車の側面図、
第2図は上記自動二輪車のエンジンおよびその吸、
排気系概略平面図、第3図は第1図のIII-III線拡
大断面図である。

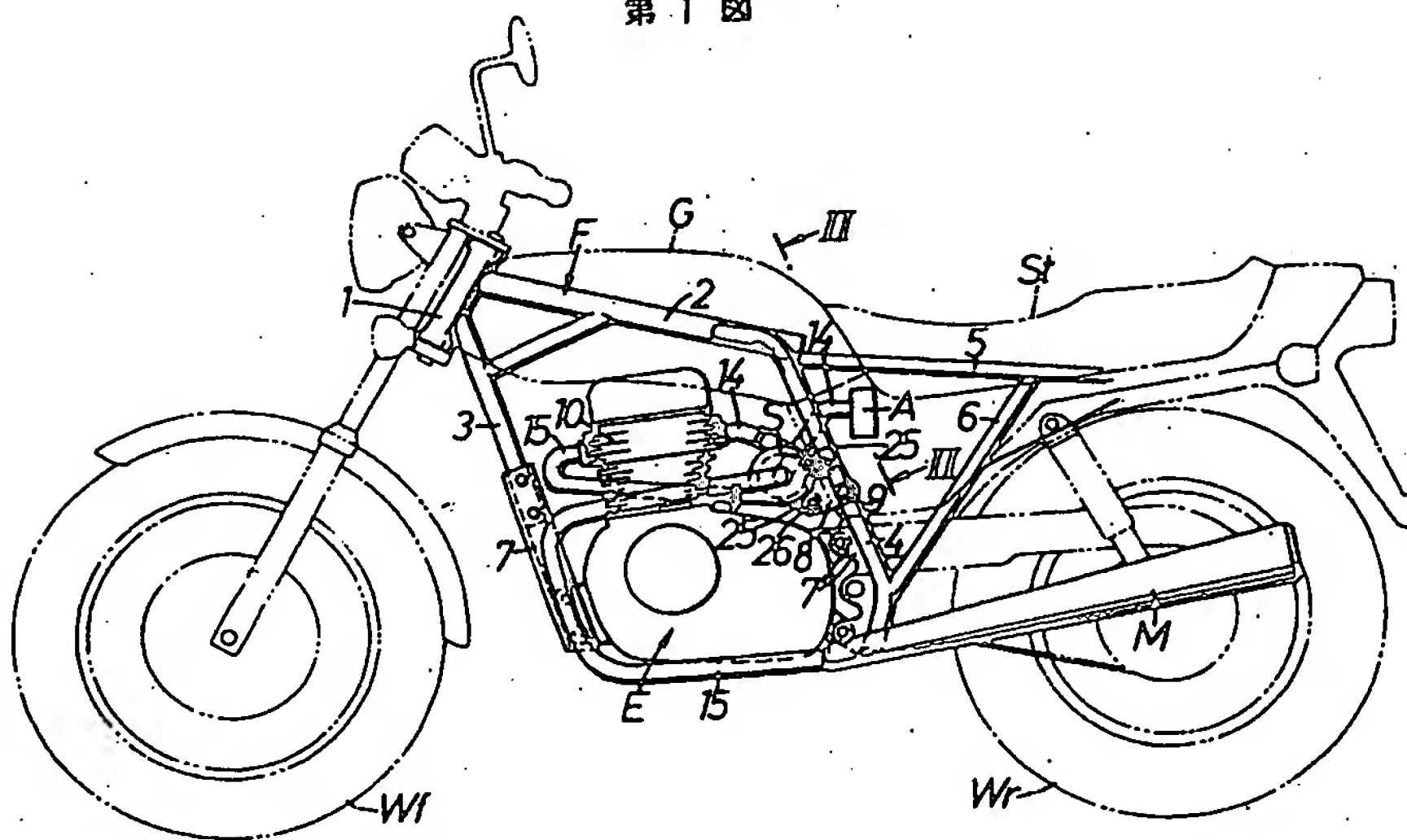
E…エンジン、F…車体フレーム、S…過給機

1…ヘッドパイプ、2…メイジチューブ、4…
センタチューブ、7…エンジン支持ブラケット、
8…過給機支持ブラケット、9…クロスメンバ、

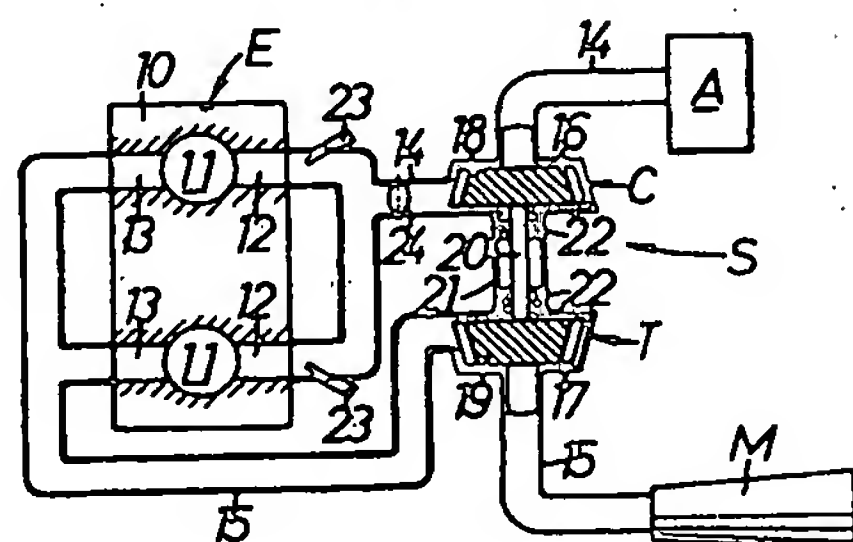
特 許 出 願 人 本田技研工業株式会社

代理人 弁理士 落 合 健

第1図



第2図



第 3 図

